

Appl. No. 10/627,061
Amdt. dated September 6, 2005
Reply to Office Action of July 6, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-68. (canceled).

69. (previously presented) An absorbent structure having an upper surface, the absorbent structure comprising:

a) a water-swellaable, water-insoluble polymer having acidic functional groups, wherein the water-swellaable, water-insoluble polymer has at least about 50 molar percent of the acidic functional groups in free acid form; and

b) a non-polymeric basic material;

wherein the absorbent structure exhibits a Wicking Capacity value that is at least about 5 grams per gram of absorbent structure and exhibits a pH on the upper surface that remains within the range of about 3 to about 8.

70. (previously presented) The absorbent structure of claim 69 wherein the non-polymeric basic material comprises an organic salt, an aliphatic amine, an aromatic amine, an aliphatic imine, an aromatic imine, an aliphatic amide, an aromatic amide, a metallic oxide, a hydroxide, an inorganic salt, or mixtures thereof.

71. (previously presented) The absorbent structure of claim 69 wherein the basic material is sodium citrate.

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72. (previously presented) The absorbent structure of claim 69 wherein the basic material is sodium carbonate, sodium bicarbonate, or calcium carbonate.

73. (previously presented) The absorbent structure of claim 69 wherein the acidic water-swellaable, water-insoluble polymer has a pKa between about 2 and about 10.

74. (previously presented) The absorbent structure of claim 69 wherein the acidic water-swellaable, water-insoluble polymer has at least about 70 molar percent of the acidic functional groups in free acid form.

75. (previously presented) The absorbent structure of claim 65 or 69 wherein the acidic water-swellaable, water-insoluble polymer is prepared from a base comprising polyacrylamide, polyvinyl alcohol, ethylene maleic anhydride copolymer, polyvinylether, polyacrylic acid, polyvinylpyrrolidone, polyvinylmorpholine, carboxymethyl cellulose, carboxymethyl starch, hydroxypropyl cellulose, algin, alginate, carrageenan, acrylic grafted starch, acrylic grafted cellulose, polyaspartic acid, polyglutamic acid, and copolymers thereof.

76. (currently amended) The absorbent structure of claim [[65 or]] 69 wherein the acidic water-swellaable, water-insoluble polymer comprises carboxyl groups, sulfonic groups, sulphate groups, sulfite groups, phosphate groups, or combinations thereof.

77. (previously presented) The absorbent structure of Claim 75 wherein the acidic water-swellaable, water-insoluble polymer and the basic material are present in the absorbent structure in a molar ratio from about 10:1 to about 1:10.

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78. (previously presented) The absorbent structure of Claim 75 wherein the absorbent structure exhibits a Wicking Capacity value that is at least about 10 grams per gram of absorbent structure.

79. (previously presented) The absorbent structure of Claim 75 wherein the absorbent structure exhibits a pH on the upper surface that remains within the range of about 4 to about 7.

80-94. (canceled).

95. (previously presented) The absorbent structure of claim 69 further comprising a liquid-permeable topsheet and a backsheet attached to the topsheet, wherein the absorbent structure is positioned between the liquid-permeable topsheet and the backsheet.

96-97. (canceled).